

L35 ANSWER 51 OF 272 HCAPLUS COPYRIGHT 2006 ACS on STN
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DOCUMENT NUMBER: 136:252244
TITLE: Hair growth stimulants containing nonimmunosuppressive
[γ-hydroxymethyllleucine4]cyclosporin A
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Min Hwan; Kim, Seung Jin
PATENT ASSIGNEE(S): LG Chemical Co., Ltd., S. Korea
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LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002080394	A2	20020319	JP 2000-347204	20001114
KR 2001049236	A	20010615	KR 2000-14837	20000323
PRIORITY APPLN. INFO.:			KR 1999-51646	A 19991119
			KR 2000-14837	A 20000323
			JP 2000-207588	A 20000707

AB The stimulants, useful for treatment of alopecia, contain [γ -hydroxymethylleucine4]cyclosporin A (I) as active ingredients. Thus, I (preparation given) stimulated hair growth in mice as strongly as cyclosporin A, but the immunosuppressive activity of I was >100 times less potent than the control. A hair tonic, cream, shampoo, and conditioner containing I were formulated.

IT **107335-26-2P**

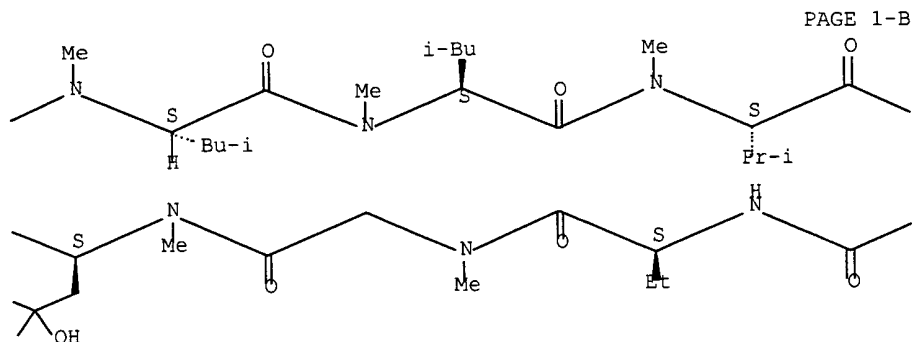
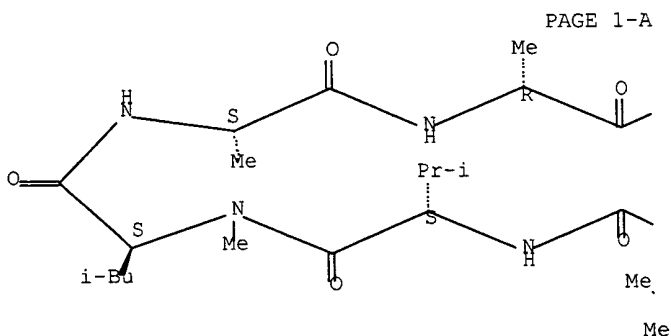
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);
 COS (Cosmetic use); BIOL (Biological study); **PREP (Preparation)**;
 USES (Uses)

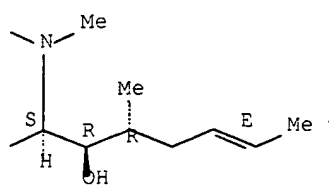
(hair growth stimulants containing nonimmunosuppressive
 [γ -hydroxymethylleucine4]cyclosporin A)

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CN Cyclosporin A, 9-(4-hydroxy-N-methyl-L-leucine)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry as shown.





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